

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/577,084
Source: IFWP
Date Processed by STIC: 05/09/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 05/09/2006

PATENT APPLICATION: US/10/577,084

TIME: 10:55:56

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05092006\J577084.raw

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3 <110> APPLICANT: METABOLIC EXPLORER
5 <120> TITLE OF INVENTION: Strains of microorganisms optimized for biosynthetic
pathways consuming
6     NADPH
8 <130> FILE REFERENCE: D21726
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/577,084
C--> 10 <141> CURRENT FILING DATE: 2006-04-24
10 <150> PRIOR APPLICATION NUMBER: FR 0313056
11 <151> PRIOR FILING DATE: 2003-11-06
13 <160> NUMBER OF SEQ ID NOS: 38
15 <170> SOFTWARE: PatentIn version 3.1
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18 <211> LENGTH: 100
19 <212> TYPE: DNA
20 <213> ORGANISM: artificial sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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28 ggcaccatcc cgtcgaaagc catatgaata tcctccttag      100
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33 <212> TYPE: DNA
34 <213> ORGANISM: artificial sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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42 acgatttggtg cgcgtgccag tgtaggctgg agctgcttcg      100
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46 <211> LENGTH: 30
47 <212> TYPE: DNA
48 <213> ORGANISM: artificial sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
53 <400> SEQUENCE: 3
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57 <210> SEQ ID NO: 4
58 <211> LENGTH: 30
59 <212> TYPE: DNA
60 <213> ORGANISM: artificial sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
65 <400> SEQUENCE: 4

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66 gcgggatcac tttactgcca gcgctggctg 30
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 100
71 <212> TYPE: DNA
72 <213> ORGANISM: artificial sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
77 <400> SEQUENCE: 5
78 ggtggcccg aagtacttca agccgtagag ttcactcctg ccgatccggc ggagaatgaa 60
80 atccaggtcg aaaataaagc catatgaata tcctccttag 100
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 100
85 <212> TYPE: DNA
86 <213> ORGANISM: artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
91 <400> SEQUENCE: 6
92 cgcccggctt tccagaatct catgcgcacg ctgcgcatcc ttcagcggat atttctgctg 60
94 ctcggcgaca tcgaccttaa tgtaggctgg agctgcttcg 100
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 30
99 <212> TYPE: DNA
100 <213> ORGANISM: artificial sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
105 <400> SEQUENCE: 7
106 cgcccaacac cgactgctcc gcttcgatcg 30
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 30
111 <212> TYPE: DNA
112 <213> ORGANISM: artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
117 <400> SEQUENCE: 8
118 cagcgttatg accgctggcg ttactaaggg 30
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 43
123 <212> TYPE: DNA
124 <213> ORGANISM: artificial sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
129 <400> SEQUENCE: 9
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133 <210> SEQ ID NO: 10
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135 <212> TYPE: DNA
136 <213> ORGANISM: artificial sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide

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142 acgtacctgc agttatatc tgcctcaaa ttttaaatt tggg 44
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147 <212> TYPE: DNA
148 <213> ORGANISM: artificial sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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161 <212> TYPE: DNA
162 <213> ORGANISM: artificial sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
167 <400> SEQUENCE: 12
168 gcgccacgct ttatagcgtt taatcagacc attggctcag ctatcgtggc tgctgatttc 60
170 tttatcatct ttcagctctg catatgaata tcctccttag 100
173 <210> SEQ ID NO: 13
174 <211> LENGTH: 30
175 <212> TYPE: DNA
176 <213> ORGANISM: artificial sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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185 <210> SEQ ID NO: 14
186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: artificial sequence
190 <220> FEATURE:
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197 <210> SEQ ID NO: 15
198 <211> LENGTH: 102
199 <212> TYPE: DNA
200 <213> ORGANISM: artificial sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
205 <400> SEQUENCE: 15
206 cgcgcgagac tcgctctgct tatctcgccc ggatagaaca agcgaaaact tcgaccgttc 60
208 atcgttcgca gttggcatgc ggtgtaggct ggagctgctt cg 102
211 <210> SEQ ID NO: 16
212 <211> LENGTH: 98
213 <212> TYPE: DNA
214 <213> ORGANISM: artificial sequence

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216 <220> FEATURE:
W--> 217 <213> ORGANISM: artificial sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
222 <400> SEQUENCE: 16
223 cgcaaggcgc tgaataattc acgtcctgtt cccacgcgtg acgcgctcag gtcaggaatg      60
225 tgcggttcgc gagcagcca tatgaatatc ctcttag      98
228 <210> SEQ ID NO: 17
229 <211> LENGTH: 29
230 <212> TYPE: DNA
231 <213> ORGANISM: artificial sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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237 gggtagactc cattactgag gcgtgggcg      29
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241 <211> LENGTH: 24
242 <212> TYPE: DNA
243 <213> ORGANISM: artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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249 ccccggaatc agaggaatag tccc      24
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 100
254 <212> TYPE: DNA
255 <213> ORGANISM: artificial sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
260 <400> SEQUENCE: 19
261 ggtgtgttga caagcggcgg tgatgcgcca ggcataaacg ccgcaattcg cggggttgtt      60
263 cgttctgcgc tgacagaagg ttaggctgg agctgcttcg      100
266 <210> SEQ ID NO: 20
267 <211> LENGTH: 100
268 <212> TYPE: DNA
269 <213> ORGANISM: artificial sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
274 <400> SEQUENCE: 20
275 ttcgcgcagt ccagccagtc acctttgaac ggacgcttca tgttttcgat agcgtcgaag      60
277 atgtcgtggt gaaccagctg catatgaata tcctccttag      100
280 <210> SEQ ID NO: 21
281 <211> LENGTH: 27
282 <212> TYPE: DNA
283 <213> ORGANISM: artificial sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
288 <400> SEQUENCE: 21
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Input Set : A:\PTO.RJ.txt

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292 <210> SEQ ID NO: 22
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294 <212> TYPE: DNA
295 <213> ORGANISM: artificial sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
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301 ccctacgccc cacttggtca tcgcccg 27
304 <210> SEQ ID NO: 23
305 <211> LENGTH: 99
306 <212> TYPE: DNA
307 <213> ORGANISM: artificial sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
312 <400> SEQUENCE: 23
313 gcgccctctc tcgatagcgc aacaattacc ccgcaaattt atcccgaagg aaaactgcgc 60
315 tgtaccgcac cgggtgtcgt gtaggctgga gctgcttcg 99
318 <210> SEQ ID NO: 24
319 <211> LENGTH: 100
320 <212> TYPE: DNA
321 <213> ORGANISM: artificial sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
326 <400> SEQUENCE: 24
327 gcgggaaagg taagcgtaaa ttttttgctg atcgctcatgg gagcacagac gtgttcctg 60
329 attgagtgtg gctgcactcc catatgaata tcctccttag 100
332 <210> SEQ ID NO: 25
333 <211> LENGTH: 30
334 <212> TYPE: DNA
335 <213> ORGANISM: artificial sequence
337 <220> FEATURE:
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344 <210> SEQ ID NO: 26
345 <211> LENGTH: 26
346 <212> TYPE: DNA
347 <213> ORGANISM: artificial sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
352 <400> SEQUENCE: 26
353 gccggttgca ctttggttaa gccccg 26
356 <210> SEQ ID NO: 27
357 <211> LENGTH: 43
358 <212> TYPE: DNA
359 <213> ORGANISM: artificial sequence
361 <220> FEATURE:
362 <223> OTHER INFORMATION: Other information : synthetic oligonucleotide
364 <400> SEQUENCE: 27

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/577,084

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Input Set : A:\PTO.RJ.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:217 M:280 W: Numeric Identifier already exists, Organism not replaced.